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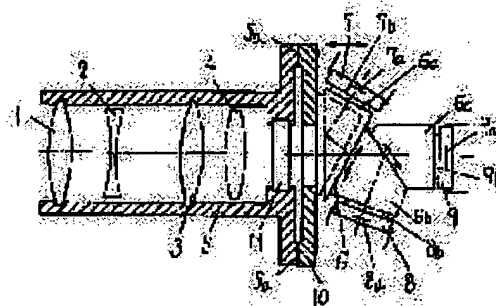
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(54) COLOR SEPARATING PRISM DEVICE

(57)Abstract:

PURPOSE: To provide the color separating prism device which has high picture quality and high zoom tracking performance causing no intermediate defocusing during zooming for a two-plate or three-plate type camera which uses an inner focus type zoom lens.

CONSTITUTION: The absolute value of optical path length is adjusted so as to correct flange-back variation due to machining size variance of a prism 6a, position variance of an image pickup surface 7a, thickness variance of sealing glass 7b, and thickness variance of a crystal optical filter 11. A zoom tracking curve can be matched with a design value by adjusting the relative optical path lengths among prisms 6a, 6b, and 6c by sliding the prisms 6b and 6c as shown by an arrow on the basis of the position of the image pickup surface 7a of the prism 6a.



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